



Following is a compilation of quarterly progress reports by the Florida Department of Transportation Districts and Florida's Turnpike Enterprise.

District One

Advanced Traffic Management Systems

Lee County Advanced Transportation Management System, Phase I, Design-Build Construction (412636 2 52 01)

This is a design-build project to complete the design and construct an upgrade to the existing signal system in Lee County, City of Fort Myers, City of North Fort Myers, and City of Bonita Springs. This advanced transportation management system (ATMS) upgrade will include new controllers and cabinets at 60 intersections, an updated communications plant, and video monitoring at 36 locations. This project will also deploy new vehicle detection stations for monitoring traffic flow throughout the traffic management system. The Lee County ATMS project will include construction of a video wall at the Lee County Traffic Operations Center (TOC). A design-build contractor was selected in May 2012. Notice to Proceed (NTP) was issued on August 27, 2012. The construction duration is approximately 565 days. The project has been released for construction. The installation of the underground infrastructure continues.

Approx. Completion: September 2014

Contact: Mark Roberts (863) 519-2591

Freeway Management Systems

I-75 Freeway Management System for Sarasota and Manatee Counties and Integration Design-Build Construction Project (414730 1 52 01, 414732 1 52 01, 414736 1 52 01)

This is a design-build construction project to complete the design and construct the extension of the I-75 Freeway Management

Inside This Issue

April 2014

District One	1
District Two	3
District Three	4
District Four	6
District Five	10
District Six	11
District Seven	13
Florida's Turnpike Enterprise	16

The FDOT ITS Program Progress Reports is a publication of:

Florida Department of Transportation
 Traffic Engineering and Operations Office
 ITS Program
 605 Suwannee Street, MS 90
 Tallahassee, Florida 32399-0450
 (850) 410-5600
<http://www.dot.state.fl.us/trafficoperations/default.shtm>



FDOT ITS Program District Progress Reports



April 2014

System from the Charlotte/Sarasota County Line to the I-275 interchange within Manatee County. The project includes the design and installation of intelligent transportation systems (ITS) field elements, which include closed-circuit television cameras, dynamic message signs, road weather information systems, microwave vehicle detection, highway advisory radios, and fiber optic communications cable and transmission equipment along I-75 throughout Sarasota and Manatee Counties. These field elements will be integrated into the SouthWest Interagency Facility for Transportation (SWIFT) SunGuide® Center and the Sarasota and Manatee Satellite Transportation Management Center (TMC). A design-build contractor was selected in February 2012. NTP was issued on April 26, 2012. The construction duration is 760 days. The project has been released for construction. The installation of the underground infrastructure continues. The installation of ITS devices is scheduled for completion in April. The operational test is currently scheduled to begin in May.

Approx. Completion: August 2014

Contact: Katherine Chinault (863) 519-2726

I-4 Fog/Visibility Detection System Project, ITS Design-Build Requirements Package Development (427315 1 32 01)

This project includes development of the design-build criteria package that will be used to secure a design-build team, which will complete the design and construct a fog/visibility detection system along I-4 in Polk County from the eastern leg of the Polk Parkway to the Osceola County line. The fog/visibility detection field elements will be integrated into District Seven's Tampa Bay SunGuide® Center. This project was advertised on February 17, 2014, and is currently in the consultant selection process.

Approx. Completion: January 2016

Contact: Mark Roberts (863) 519-2591

Districtwide RTMC ITS Operations Contract (417733 1 82 95)

This project provides funding for the operation costs for the District One Regional Transportation Management Center (RTMC) and the new Sarasota/Manatee Satellite TMC. The contract was executed in October 2012. Management staff came on board for a transition period on November 1, 2012. Operations commenced 24-hours/7-days per week coverage on December 29, 2012.

Approx. Completion: October 2017

Contact: Katherine Chinault (863) 519-2726

Districtwide ITS Maintenance and Fiber Locates Contract (419713 1 72 01, 419713 2 72 01, 419714 1 32 01 and 419714 2 32 01)

This project provides funding for the maintenance and locate costs for the District One ITS field device systems and associated utilities. The contract was executed in January 2008. Maintenance services commenced on January 20, 2010. This contract was renewed for another five-year term on February 11, 2013.

Approx. Completion: May 31, 2018

Contact: Katherine Chinault (863) 519-2726

Incident Management

Districtwide Road Rangers Service Patrol Contract (427503-1-72-01)

This is a service contract for Road Ranger Service Patrols on Interstate roadways in District One and the Sunshine Skyway Bridge. The RFP Bid Package was executed in October 2012, with a start work date of January 1, 2013. Road Ranger Service Patrols currently operate 7 days each week based on customized schedules designed to optimize the services and benefits to the public based on project funding. The vendor is currently searching for sponsorship opportunities.

Approx. Completion: December 31, 2017.

Contact: Bill Fuller (239) 225-9815



FDOT ITS Program District Progress Reports



April 2014

Rapid Incident Scene Clearance (RISC) (424192 1 82 01)

This open ITN contract will secure multiple qualified wrecker service vendors for meeting minimum response times and minimum equipment standards in order to rapidly clear the interstate roadway of crash vehicles and debris. Once all terms and conditions of the contract are met, FDOT will provide bonus incentive dollars to the contractor based on performance. Furthermore, unwarranted delays that exceed FDOT's contract expectations result in financial penalties assessed against the contractor. Currently, two vendors are under contract.

Approx. Completion: Ongoing

Contact: Bill Fuller (239) 225-9815

ITS Planning and Project Development

Districtwide Intelligent Transportation Systems General Consultant Traffic Operations (417470 1 32 03)

This ITS General Consultant Project provides District One with a broad-range of general consultant support on an as-needed basis. The current contract was executed in April 2013.

Approx. Completion: April 2018

Contact: Mark Roberts (863) 519-2591

Districtwide Transportation Systems Management and Operations (TSM&O) General Consultant Contract (429512 1 32 01)

This TSM&O General Consultant Project provides District One with a broad-range of engineering, planning, and technical services needed to establish and support the TSM&O Program within District One. The contract was executed in October 2011, and is scheduled for a five-year term.

Approx. Completion: October 2016

Contact: Chris Birozak (863) 519-2507

District Two

Freeway Management Systems

Freeway Management System (427476-1)

This project involves the installation of intelligent transportation systems (ITS) devices on I-95 from the Flagler County line to the Duval County line. The project will incorporate closed-circuit television (CCTV) cameras, dynamic message signs (DMS), vehicle detectors, fiber optic communications, an entirely new network, and wireless communications technology. FDOT will be seeking an ITS design firm, ITS contractor, and consultant construction, engineering, and inspection (CCEI) support. This is a design/bid/build type project with low-bid procurement for contractor services.

Design Contract Advertisement: January 2014

CCEI Contract Advertisement: January 2015

Construction Advertisement: March 2015

Construction Let Date: May 2015

Contact: Peter Vega (904) 360-5463

Freeway Management System (427475-1)

This project involves the installation of ITS devices on I-95 from the Georgia state line to the Duval County line. The project will incorporate CCTV cameras, DMSs, vehicle detectors, fiber optic communications, an entirely new network, and wireless communications technology. FDOT will be seeking an ITS design firm, ITS contractor, and CCEI support. This is a design/bid/build type project with low-bid procurement for contractor services.

Design Contract Advertisement: January 2016

CCEI Contract Advertisement: January 2017

Construction Advertisement: March 2017

Construction Let Date: May 2017

Contact: Peter Vega (904) 360-5463



FDOT ITS Program District Progress Reports



April 2014

Freeway Management System (427474-1 and 427474-2)

This project involves the installation of ITS devices on I-75 from SR 121 to the Georgia state line. The projects will incorporate CCTV cameras, DMSs, vehicle detectors, fiber optic communications, an entirely new network, and wireless communications technology. FDOT will be seeking an ITS design firm, ITS contractor, and CCEI support. This is a design/bid/build type project with low-bid procurement for contractor services.

Design Contract Advertisement: January 2014

CCEI Contract Advertisement: January 2015

Construction Advertisement: March 2015

Construction Let Date: May 2015

Contact: Peter Vega (904) 360-5463

Freeway Management System (213272-8 and 213272-9)

This project involves the installation of ITS devices on I-10 from the I-95 interchange to US 90 in Leon County. The projects will incorporate CCTV cameras, DMSs, vehicle detectors, fiber optic communications, an entirely new network, and wireless communications technology. FDOT will be seeking an ITS design firm, ITS contractor, and CCEI support. This is a design/bid/build type project with low-bid procurement for contractor services.

Design Contract Advertisement: January 2015

CCEI Contract Advertisement: January 2016

Construction Advertisement: March 2016

Construction Let Date: May 2016

Contact: Peter Vega (904) 360-5463

Freeway Management System (209168-3)

This project is a rebid that involves the installation of ITS devices on I-295 from the I-95 interchange to Atlantic Boulevard. The project will incorporate CCTV cameras, DMSs, vehicle detectors, fiber optic communications, an entirely new network, and wireless communications technology. FDOT will be seeking an ITS contractor to construct the

project. This is a systems manager type project with low-bid procurement for contractor services.

Construction Advertisement: March 2014

Construction Let Date: May 2014

Contact: Peter Vega (904) 360-5463

District Three

Freeway Management Systems

I-10 / I-110 Freeway Management System for Escambia & Santa Rosa Counties and Regional Transportation Management Center (414706-1)

In 2008, FDOT executed a contract with TransCore ITS, LLC, to establish a regional transportation management center (RTMC) and freeway management system (FMS) to manage traffic on I-10 and I-110 in the Pensacola metropolitan area. The duration of the contract is for ten years with a renewal option for one additional term, not to exceed ten years. The scope of work included preparing deployment plans and specifications, system hardware and software procurement, hardware compatibility testing, system communications testing, coordinating system deployment, performing system integration, providing system documentation and training, performing system evaluation, data management, and providing on-going operation and maintenance in support of a comprehensive FMS. This FMS was deployed along approximately 32 miles of I-10 beginning at the Florida/Alabama state line and ending in Santa Rosa County approximately one mile east of the I-10 and SR 87 interchange. The FMS also includes all of I-110. In addition, TransCore ITS deployed a Road Ranger service patrol program along the aforementioned interstate limits. FDOT executed a Supplemental Agreement to extend the Road Ranger service to 24/7 coverage for 12 additional months beginning in March 2013.



FDOT ITS Program District Progress Reports



April 2014

TransCore ITS has entered the operations and maintenance phase of the initial ten-year contract, which will continue through June 2018. The center's video wall display system is comprised of six 67-inch modules arranged in a three wide by two high configuration flanked by two 46-inch LCD flat panel monitors on either side. There are currently three operator monitoring stations, two for operators and one for the shift supervisor, with room to expand up to five operators. Operators at the center view 41 closed-circuit television (CCTV) cameras on a rotating basis to monitor the I-10 and I-110 corridors in Escambia and Santa Rosa Counties. The FMS includes 12 dynamic message signs (DMS), three located on I-110 and nine positioned along I-10 as well as 88 microwave vehicle detectors and one roadway weather information system. TransCore ITS also provided a wireless expansion of the communications system to include a camera at each end of the Pensacola Bay Bridge.

TransCore ITS and FDOT have partnered on a couple of supplemental initiatives to enhance the FMS and provide for future expansion of the ATMS in Pensacola. TransCore has developed a public web portal on the Florida 511 system. The web site has been operational since June 2013. TransCore added communications infrastructure, CCTV cameras, and ATMS software as part of a proof-of-concept to manage ten signals along SR 291 (Davis Hwy), a major arterial connection to I-10 and I-110 carrying between 24,000 and 60,000 vehicles per day. FDOT has asked TransCore ITS to include communications support services from the existing RTMC to improve communications with the Florida Highway Patrol (FHP). TransCore ITS will staff the RTMC such that FDOT can offer FHP a single point of contact for incident notification. FHP will be able to call one number at the RTMC and the call will be dispatched to the appropriate FDOT Field Office or Asset Maintenance Contractor. This service

will assist FHP and FDOT District Three by providing a means of meeting common goals for quick and clear communications to facilitate quick and safe clearance of state roads.

TransCore and District 3 have installed a forward-looking infrared camera to view the Pensacola Bay Bridge on a trial basis. The intent is to assess the quality of the image and operational advantage to observing traffic at night and during inclement weather such as fog. Contact: Lee Smith (850) 330-1504

I-10 Freeway Management System for Tallahassee Area and Regional Transportation Management Center (414716-1, 414718-1 & 414720-1)

FDOT and City of Tallahassee have agreed to pursue alternatives that may exist for the city to administer the design, construction, operation, and maintenance of the Tallahassee I-10 FMS and associated RTMC, and to pursue opportunities for collocation of services among the city, the FDOT, and other agencies in a public safety complex being constructed by the city and county.

This project includes the design and installation of ITS field elements, including DMSSs, CCTV cameras, microwave detection, and fiber optic communications cable and transmission equipment, along I-10. The FMS will also include Road Ranger Service Patrols dispatch. The RTMC will include designated office space for personnel and will house monitoring and control capabilities for the I-10 FMS and the Tallahassee Advanced Traffic Management System; other ITS to be installed in the future; and the staff necessary to operate these systems.

A Joint Project Agreement was executed specifically to address project administration and funding obligations of the parties, associated with the design, construction,



FDOT ITS Program District Progress Reports



April 2014

operations, and maintenance of the FMS and RTMC. The parties recognize the potential cost and time-savings resulting from their joint participation, and believe a partnership in all aspects of the FMS and RTMC development, deployment, and operation and maintenance will ultimately result in more cost-effective management of traffic within Leon County.

The notice to proceed for construction of the project was issued in March 2012, and the overall project is currently on schedule and within budget with substantial completion around the February 2014 timeframe. The FMS/RTMC is in operational and system testing. The Grand Opening of the Public Safety Complex, which houses the RTMC, was held on July 11, 2013.

Contact: Lee Smith (850) 330-1504

I-10 Rural ITS Deployment from East of SR 87 to West of US 90 (428403-1)

FDOT has awarded a Design-Build contract to World Fiber Technologies for a rural ITS deployment along I-10 between Pensacola and Tallahassee. This ITS deployment will connect all FMS and ATMS deployments in the District as well as establish a RTMC at District Headquarters in Chipley. This equates to approximately 230 miles of fiber optic communications infrastructure. The project will deploy 183 CCTV cameras (for nearly complete video coverage of the I-10 corridor), 135 microwave vehicle detection sensors, 40 Bluetooth detectors, three road weather information systems, 19 DMSs, and eight highway advisory radio systems. This level of ITS device instrumentation will dramatically improve traffic incident response on the I-10 corridor. In addition, the connection of all FMS and ATMS deployments in District Three will offer opportunities for interoperability, redundancy, and emergency management functionality. Design of the project telecommunications infrastructure component (fiber optic conduit layout) is complete and installation of the fiber optic conduit is 90 percent

complete. Design of the FMS field devices is underway with 90 percent plans expected in December 2013. Design of the RTMC is also underway with 100 percent plans under review and comment. Project completion is expected in March 2015.

Contact: Lee Smith (850) 330-1504

District Four

Advanced Traffic Management Systems

ATMS in Central Broward County (427971-1-52-01)

This design build project is composed of a large intelligent transportation systems (ITS) deployment on approximately 30 miles of state arterials in Broward County. The project includes design and installation of an advanced traffic management system (ATMS) that includes a fiber optic communications backbone, 10 arterial dynamic message signs (DMS), 63 closed-circuit television (CCTV) cameras, 54 vehicle travel time detection sites (38 sites with Bluetooth technology and 16 sites for an automatic vehicle identification-based system utilizing SunPass® transponders), 33 microwave vehicle detection sites, 14 transit signal priority controllers, and a SunGuide® license for Broward County arterials. Through the District's Transportation Systems Management and Operations (TSM&O) Program, this ATMS will provide the means for managing arterial traffic based on real-time data collection and analysis from the Broward County Regional Traffic Management Center (TMC). The design/ build contractor received Notice to Proceed in February 2012 and construction began in early July 2012.

This project received final acceptance on February 24th, 2014. The District Four Arterial Management Program that currently supports the Palm Beach County TMC's arterial operations program has started its transition to



FDOT ITS Program District Progress Reports



April 2014

include the ATMS in Central Broward County system into its daily operations.

Completed: February 2014

Contact: Melissa Ackert (954) 777-4156

ATMS in Southern Broward County (429687-1-52-01)

This design/build project was awarded to World Fiber Technologies in November 2012 and received Notice to Proceed in January 2013. Similar to its predecessor, "ATMS in Central Broward County," this expansive ATMS deployment includes installation of a fiber optic communications backbone, four arterial DMSs, 42 CCTV cameras, 15 vehicle travel time detection sites using Bluetooth technology, and 15 microwave vehicle detection sites. This ATMS deployment will allow for active traffic monitoring and management of arterials in the area. Corridors to be instrumented include Hollywood Blvd, Pembroke Rd, Hallandale Beach Blvd, and US-1 just north of the Miami-Dade county line.

Approx. Completion: Summer 2014

Contact: Melissa Ackert (954) 777-4156

ATMS for Three Corridors – SR-817, SR-818, SR-7 (431590-1-52-01)

This project includes designing, furnishing, and installing ATMS field elements including, a CCTV camera system, an arterial DMS, arterial travel time system (ATTS), a microwave vehicle detection system (MVDS), and a fiber optic communications network along University Drive (SR-817) from Miramar Parkway to Broward Boulevard, Griffin Road (SR-818) from University Drive to SR-7, and SR-7 from south of Stirling Road to Broward Boulevard. The project also includes integration of the ATMS field devices into the regional TMC. Once complete the ATMS will be used by the RTMC operators to coordinate with emergency responders on incidents, make real-time, performance-based decisions on signal timing with the county, and

disseminate traveler information in order to reduce travel time and incident response time.

Approx. Completion: Fall 2016

Contact: Melissa Ackert (954) 777-4156

ATMS Along SR-80/Southern Blvd (431591-1-52-01)

The arterial DMSs and data collection project along SR-80/Southern Boulevard from Royal Palm Beach Boulevard to Dixie Highway in Palm Beach County, includes designing, furnishing, and installing the following ATMS field elements and systems: arterial DMS, ATTS, and MVDS. This project includes integration of the ATMS field devices into the Palm Beach SMART SunGuide® TMC. Once complete, the ATMS will be used by the TMC operators to coordinate with emergency responders on incidents, make real-time, performance-based decisions on signal timing, and disseminate traveler information in order to reduce travel time and incident response time.

Approx. Completion: Fall 2016

Contact: Melissa Ackert (954) 777-4156

ATCS Along Northlake Blvd (432883-1-52-01)

The adaptive traffic control system (ATCS) project on Northlake Boulevard includes design, procurement, and installation of an ATCS in Palm Beach County from east of Military Trail to Federal Highway. The project includes designing, furnishing, installing, integrating, and testing the ATCS hardware/software needed at each signal controller and at the Palm Beach SMART SunGuide TMC as well as enhancements to the vehicle detection to support the new ATCS. Once complete, it must be able to adjust to fluctuations in traffic demand and coordinate information with adjacent signals in real-time along the corridor to optimize progression and reduce recovery time.

Approx. Completion: Fall 2016

Contact: Melissa Ackert (954) 777-4156



FDOT ITS Program District Progress Reports



April 2014

Arterial DMS on Blue Heron Blvd and 45th Street (433301-1-52-01)

The arterial DMS project on Blue Heron Boulevard (east/west approaches to I-95) and 45th Street (east/west approaches to I-95) includes design, procurement, and installation of four arterial DMSs in Palm Beach County. The project also includes the integration of the arterial DMS field devices into the regional TMC. Once complete, the arterial DMS devices will be used to disseminate traveler information in order to reduce travel time and incident response time.

Approx. Completion: Fall 2016

Contact: Melissa Ackert (954) 777-4156

ATCS along Okeechobee Blvd (433947-1-52-01)

The ATCS project in Palm Beach County includes design, procurement, and installation of an ATCS in Palm Beach County along Okeechobee Boulevard from Tamarind Avenue to Flagler Drive. This project includes designing, furnishing, installing, integrating, and testing the ATCS hardware/software needed at each signal controller and at the Palm Beach SMART SunGuide TMC as well as enhancements to the vehicle detection to support the new ATCS. Once complete, it must be able to adjust in real-time to fluctuations in traffic demand and coordinate such information with adjacent signals in the corridor to optimize progression and reduce recovery time.

Approx. Completion: Fall 2016

Contact: Melissa Ackert (954) 777-4156

Approx. Completion: Fall 2016

Contact: Melissa Ackert (954) 777-4156

Freeway Management Systems

Districtwide ITS Operations Support Services Contract (231654-7-82-01 231654-7-82-02, 231654-8-82-01)

This project is for the management and operations of the Broward County and Palm Beach SMART SunGuide TMC. This project includes operation of the I-95/I-595/I-75

Districtwide ITS network on a 24-hour/7-day a week schedule, dispatching the Broward, Palm Beach, Martin, St. Lucie, and Indian River Counties' Road Rangers, and coordination on operational issues with Districts One and Six, and the Florida's Turnpike Enterprise for the interim traffic management system project, I595 Express, I95 Express, and SmarTraveler. This contract was awarded to AECOM after completion of the Invitation to Negotiate (ITN) process. Services began May 7, 2010.

Approx. Completion: May 2015

Contact: Daniel Smith (954) 847-2633

Districtwide ITS Systems Software Support Services (416259-1-32-01)

This project provides software support services for the District Four ITS. This project includes a dedicated full-time Database Administrator (DBA)/Programmer to support ITS projects throughout the District including Broward, Palm Beach, Martin, St. Lucie, and Indian River Counties. Currently the DBA/Programmer is based at the Broward SMART SunGuide® TMC and responds 24-hour/7-days a week to all software/database concerns. This contract was awarded to IBI Group in June 2011.

Approx. Completion: June 2016

Contact: Dong Chen (954) 857-2796

District Four Broward ITS Maintenance (406795-3-8B-01, 406795-3-72-01)

This project is for the maintenance of the ITS devices in District Four, primarily for Broward County, including DMSs, CCTV cameras, vehicle detections system (VDS), fiber optic cable, and all other ITS devices deployed. The project will include the maintenance services necessary to maintain complete functionality and operational status, preventive/routine maintenance, diagnostic work, and major/minor repairs/replacements. This contract was awarded to Miller Electric with an NTP in July 2011.

Approx. Completion: July 2014

Contact: Anthony Mendoza (954) 847-2798



FDOT ITS Program District Progress Reports



April 2014

District Four Palm Beach and Northern Three Counties ITS Maintenance (416255-2-72-01, 416255-2-8B-01)

This project is for the maintenance of the ITS devices in District Four, primarily for Palm Beach, Martin, Saint Lucie, and Indian River Counties, including DMSs, CCTV cameras, VDS, fiber optic cable, and all other ITS devices deployed. The project will include the maintenance services necessary to maintain complete functionality and operational status, preventive/routine maintenance, diagnostic work, and major/minor repairs/replacements. This contract was awarded to Telvent with an NTP in July 2011.

Approx. Completion: July 2014

Contact: Anthony Mendoza (954) 847-2798

Districtwide ITS General Consultant (4155291-32-01)

This project provides District Four with a broad-range general consultant service allowing support to the District on an as-needed basis. The project also provides a full-time person on-site at the SMART SunGuide TMC. The contract was awarded to Eland Engineering.

Approx. Completion: May 2018

Contact: Dong Chen (954) 847-2796

Incident Management

I-95 Severe Incident Response Vehicle (SIRV) (422332 2 82 01 & 422333 1 82 01)

This project provides four Severe Incident Response Vehicles (SIRV) and SIRV operators to respond to Level 2 and 3 incidents on the interstates in Broward County and Palm Beach County. The SIRV are dispatched from the Broward County SMART SunGuide TMC. Once on scene, SIRV becomes the Incident Commander for FDOT activities. They are used as other agencies' point of contact for anything needed from FDOT and provide coordination among responders. Two SIRV respond to incidents in Broward County and two SIRV

respond to incidents in Palm Beach County. The contract was awarded to AECOM Technical Services, Inc. on June 20, 2011. Services began in January 2011 and end September 30, 2016.

Approx. Completion: September 30, 2016

Contact: Gaetano Francese (954) 847-2797

Broward County I-95/595/75 Road Rangers Service Patrol 231723 4 72 01 & 231723 4 72 02)

This project provides Road Rangers to patrol the Interstates and help stranded motorists, and assist law enforcement with incident management.

Approx. Completion: Contract ends August 31, 2015

Contact: Gaetano Francese (954) 847-2797

Palm Beach County I-95 Road Rangers Service Patrol (231924-3-72-01)

This project provides Road Rangers to patrol the Interstates and help stranded motorists, and assist law enforcement with incident management. A new contract was awarded to Anchor Towing and services began on February 1, 2011.

Approx. Completion: Contract ends January 31, 2016

Contact: Gaetano Francese (954) 847-2797

Treasure Coast Road Ranger Service Patrol (412495-2-72-01)

This project provides Road Rangers along I-95 through the Treasure Coast, which is comprised of Martin, St. Lucie, and Indian River Counties. Road Rangers provide roadside assistance to stranded motorists and assist law enforcement with incident management. A new contract was executed on September 13, 2013, with In-A-Flash-Towing, Inc. This is a three-year contract.

Approx. Completion: Contract ends September 12, 2016

Contact: Gaetano Francese (954) 847-2797



FDOT ITS Program District Progress Reports



April 2014

Rapid Incident Scene Clearance (RISC) (4241881-1-82-01)

In October 2008, a rapid incident scene clearance (RISC) contract was advertised for District Four. This is an open contract for three years for qualified vendors to provide clearance and recovery services for major incidents requiring specialized heavy-duty recovery equipment. Bonuses are paid for clearing incidents in less than 90 minutes as stated in the Statewide Open Roads Policy. RISC activations began in July 2009. District Four currently has five RISC vendors under contract. The current contracts were extended through October 2015.

Approx. Completion: October 2015

Contact: Gaetano Francese (954) 847-2797

- 300 ITS Express layer 2 switches for our signal cabinets
- Various monitors, computers, servers, laptops, and associated software for our "mini" transportation management center in the District Five office

The total value of this equipment is over \$3.4M. The remaining nearly \$600k of our \$4M grant is expected to be allocated for new dynamic message signs (DMS) and upgrading some existing DMSs.

Approx. Completion: September 2014.

Contact: Edward Grant (407) 736-1906

Freeway Management Systems

I-4 Dynamic Message Sign Replacement Project Phase II (432149-1-92-01)

This project will replace 16 DMSs with new full color DMSs, including structures and foundations, on I-4, I-95, and SR 528 at various locations in Orange, Seminole, Volusia, Brevard, and Osceola Counties. This contract was advertised in December 2013. Selection committee approved design-build low bid contractor on March 3rd, 2014.

Contact: Edward Grant (407)-736-1906

I-4 CCTV Replacement Project (245316-1-72-91)

This project will replace multiple closed-circuit television (CCTV) cameras on I-4 and I-95 at various locations in Orange, Seminole, Volusia, Brevard, and Osceola Counties. This contract was advertised in October 2013.

Contact: James Miller (386)-943-5322

I-75 from SR 44 to North of US 27 (428213-1-52-01)

District Five is advertising a design/build low bid project to add fiber, DMSs, CCTV cameras, and a microwave vehicle detection system. The project was advertised in January 2014. Currently under advertisement.

Contact: Edward Grant (407) 736-1906

District Five

Advanced Traffic Management Systems

Seminole County Phase II Advanced Traffic Management System (ATMS) Project (429550-1-54-01)

This is a federally funded project administered by FDOT District Five on behalf of Seminole County to procure equipment consisting of various intelligent transportation systems (ITS) components. This contract began on September 13, 2011. The project currently consists of the following ITS components:

- 65 new Naztec signal cabinets with uninterrupted power backup systems
- 100 controller upgrades from the Naztec 980 controller to the Naztec advanced transportation controller
- 78 new Bosch cameras
- 75 new BlueToad™ bluetooth reader stations
- 1 BlueToad server and associated licenses
- 24 Adaptive signal locations, including associated SynchroGreen licenses and Wavetronix detection equipment



FDOT ITS Program District Progress Reports



April 2014

I-75 from North of US 27 to Alachua County Line (428213-2-32-01)

District Five will advertise for design consultant services to design an ITS communications system on I-75 within this corridor. The project is to be advertised in December 2014. Construction is funded for fiscal year (FY) 2015. Selection Committee approved a design firm on February 24th, 2014.

Contact: James Miller (386) 943-5322

Arterial Management Systems

SR 17/92 from Bearsford to SR 472 (435404-1-52-01)

District Five will advertise a task work order-based contract to add BlueToad devices and adaptive controller within this corridor. The project is to be advertised in the third quarter of FY 2014.

Contact: Manny Rodriguez (386) 943-5322

US 92 from I-95 to US 1 (434712-1-52-01)

District Five will advertise a task work order-based contract to add BlueToad devices and controller within this corridor. The project is to be advertised in the third quarter of FY 2014.

Contact: Manny Rodriguez (386) 943-5322

SR 46 Sanford Amtrak Station From International Pkwy to Airport Blvd (434713-1-52-01)

District Five will advertise a task work order-based contract to add BlueToad devices and controller within this corridor. The project is to be advertised in the third quarter of FY 2014.

Contact: Manny Rodriguez (386) 943-5322

Active Arterial Management 1, 2 and 3 (434433-1-52-01, 43443-2, & 43433-3)

District Five will advertise a contract to add devices within the arterial intersections to improve flow and functionality of the corridor based on events. The projects are multi-year funded FYs 2015, 2016, and 2017.

Contact: Tushar Patel (386) 943-5315

Greater Orlando Transit Signal Priority (435446-1-52-01, 435446-1-52-02, & 435446-1-52-03)

District Five will advertise a contract to add devices within the arterial intersections to improve transit flow of the corridor. The District will coordinate with the City of Orlando, LYNX, and local agencies to prioritize the corridors. The projects are programmed in FYs 2015, 2016, and 2017.

Contact: Tushar Patel (386) 943-5315

Incident Management

I-4 Road Rangers—Motorist Assistance Program (410957-1-72-04)

The limits of service are from the Osceola/Polk County line to I-95 in Volusia County. There are a total of 13 Road Ranger personnel and one Road Ranger supervisor. There are 12 Road Ranger vehicles. Operational hours and days are Monday through Friday, 6:00 to 12:00 a.m. and Saturday and Sunday, 6:00 to 3:30 a.m.

Contact: Ron Miller (386) 943-5370

District Six

Note: ITS deployment work in District Six has been “mainstreamed” into the regular production process as components of normal improvements or maintenance projects. District Planning and Production sections manage major projects, such as new Express Lane studies and deployments, with ITS unit support and guidance.

Advanced Traffic Management Systems

Replacement of DMS (417740)

This is a low bid design-build request for proposal project that will replace five dynamic message signs (DMS) that reached the end of their useful life. The proposed DMS assemblies will be erected on existing structures. This project was awarded in June 2013. The budget for this project is \$1,027,977.00.

Contract End Date: July 2014

Contact: Sergio Bravo (305) 640-7344



FDOT ITS Program District Progress Reports



April 2014

Terremark Network Access Point (NAP) Services (252058)

The purpose of this contract is to obtain communications cross-connection and power-up services for sharing closed-circuit television (CCTV) camera video coverage feeds with public and private partners, and to also support the SunGuide® Transportation Management Center (TMC) as an emergency back-up data and communications hub facility. This contract was awarded in June 2013. The total budget for this contract for a two-year period is \$116,160.

Contract End Date: July 2015

Contact: Sergio Bravo (305) 640-7344

Adaptive DMS Parts Procurement Contract (252058)

The purpose of this Invitation to Bid (ITB) contract is to acquire a vendor to furnish parts on an as-needed basis for DMSs manufactured by Adaptive. This contract was awarded in March 2013. The budgetary ceiling for this contract is \$150,000.00.

Contract End Date: February 2016

Contact: Sergio Bravo (305) 640-7344

Daktronics DMS Parts Procurement Contract (252058)

The purpose of this ITB contract is to acquire a vendor to furnish parts on an as-needed basis for DMSs manufactured by Daktronics. This contract was awarded in June 2013. The budgetary ceiling for this contract is \$500,000.00.

Contract End Date: May 2016

Contact: Sergio Bravo (305) 640-7344

ADDCO DMS Parts Procurement Contract (252058)

The purpose of this ITB contract is to acquire a vendor to furnish parts on an as-needed basis for DMSs manufactured by ADDCO. This contract was awarded in June 2013. The budgetary ceiling for this contract is \$150,000.00.

Contract End Date: May 2016

Contact: Sergio Bravo (305) 640-7344

Vultron DMS Parts Procurement Contract (252058)

The purpose of this ITB contract is to acquire a vendor to furnish parts on an as-needed basis for DMSs manufactured by Vultron. This contract was awarded in June 2013. The budgetary ceiling for this contract is \$150,000.00.

Contract End Date: May 2016

Contact: Sergio Bravo (305) 640-7344

District Wide Maintenance & Repair Services Contract (250102)

The purpose of this contract is to provide preventive maintenance, diagnostic, and repair services to the intelligent transportation systems (ITS) equipment and the SunGuide TMC. Performance ratings are used to assess contractor performance under this contract. The budgetary ceiling for the first three years is \$8.3 million. This contract will be renewed for three more years.

Contract End Date: July 2017

Contact: Derole Duncan (305) 640-7308

District Wide ITS Operations Support Services Contract (250115 and 417740)

The purpose of this contract is to assist the District with the management and operations of the FDOT District 6 ITS. The consultant is responsible for providing services to the District, such as, but not limited to: monitoring traffic conditions on Miami-Dade and Monroe Counties' roadways via CCTV cameras and vehicle detection systems, disseminating traveler information via DMS and statewide 511 system, operating the I-95 Express Lanes and ramp signaling systems, dispatching Road Ranger Service Patrol vehicles to crash scenes, providing information technology support, and traffic operations and ITS engineering support services. The services are categorized into seven



FDOT ITS Program District Progress Reports



April 2014

major areas: SunGuide TMC Operations Services, Contract Management Services, TMC Information Technology Services, Miscellaneous TMC Operations Support Services, ITS Public Outreach Services, ITS Utility Locates Services, and Traffic Operations and ITS Engineering Services. Performance ratings are used to assess consultant performance under this contract. The current contract budget is \$38.2 million.

Contract End Date: December 2015

Contact: Javier Rodriguez (305) 640-7307

District Wide ITS Technical Consultant Contract (250115)

The contract will assist the Traffic Operations and ITS staff with the preparation of feasibility studies, Requests for Proposals and, as needed, on-call or miscellaneous ITS engineering services. The current contract budget is \$500,000.

Contract End Date: February 2018

Contact: Sergio Bravo (305) 640-7344

Traffic Engineering/ITS Support Contract (414754)

This contract will assist the ITS staff by providing Florida International University Engineering staff and students for traffic engineering and ITS technical support services on ITS projects. The current contract budget is \$270,000.

Contract End Date: January 2023

Contact: Alejandro Motta (305) 640-7346

District Wide Traffic Operations Studies (409521)

This contract assists the ITS staff with the preparation of feasibility studies, designs, scopes of services, and program management support for the deployment of the I-95 Ramp Signaling Project, and miscellaneous traffic operations and ITS studies, as-needed. The current contract budget is 1,025,000.

Contract End Date: October 2015

Contact: Javier Rodriguez (305) 640-7307

Incident Management

Incident Management Services (250113 & 415456)

Provide incident management services along SR 826, I-195, I-395, I-75 and I-95 (including express lanes) to assist FDOT and the Florida Highway Patrol with clearing traffic crashes, removing disabled vehicles and debris from the roadways, and keeping travel lanes open to traffic. The current contract budget is \$23.0 million.

Contract End Date: June 2018

Contact: Javier Rodriguez (305) 640-7307

Automated Vehicle Location (252058)

Provide automated vehicle location system and support services. The current contract budget is \$150,000.00.

Contract End Date: June 2015

Contact: Alejandro Motta (305) 640-7346

District Seven

Freeway Management Systems

Tampa Bay SunGuide® Freeway Management System, Phase III Pinellas County (407233-5)

This intelligent transportation systems (ITS) project is on I-275 from the South Sunshine Skyway Toll Plaza to 54th Avenue South. URS will complete the project under a systems manager contract. This project will provide an updated system of devices that will include installing closed-circuit television (CCTV) cameras on the towers, a wind monitoring system, highway advisory radio (HAR) system, and development of a new technique to replace and/or connect new conduit to the bridge. The construction contractor is World Fiber. Construction is complete and URS is integrating ITS components added to the existing system.

Anticipated Completion Date: System testing in progress. System burn-in to start in April 2014

Contact: Greg Reynolds (813) 615-8612



FDOT ITS Program District Progress Reports



April 2014

Tampa Bay SunGuide Freeway Management System, Phase III Hillsborough County (410909-9)

This ITS project is on I-75 from North of Bruce B. Downs Boulevard to SR 56 (Exit 275). This project will provide a new system of devices that will include installing CCTV cameras, dynamic message signs (DMS), and microwave vehicle detector sensors (MVDS). It is designed and funded under the original URS contract C-8E39 as the I-75 segment. This project goes with construction projects 408459-1, 408459-2, 408459-3, and 410909-2. The construction contractor is Prince Construction.

Anticipated Completion Date: December 2014
Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Phase III Hillsborough County (410909-2)

This ITS project is on I-75 from Fowler Avenue to north of Bruce B. Downs Boulevard. This project will provide a new system of devices that will include installing CCTV cameras (to include dual-mount lowering device cameras), DMS, arterial DMS using wireless connections, and MVDS. This project is designed with roadway contract C-8E39 and is being completed by PB World as a supplement to the roadway contract. This project was let with projects 408459-1, 408459-2, 408459-3, and 410909-9. The construction contractor is Prince Construction.

Anticipated Completion Date: December 2014
Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Phase III Hillsborough County (407233-7)

This ITS project is on I-275 from Bearss Avenue to the I-75/I-275 Apex in Hillsborough County. Construction began in January 2011. This project will provide a new system of devices that will include installing Hub distribution, CCTV cameras, DMS, and MVDS. The project manager is working with the systems manager, URS, on procuring and installing ITS equipment. The construction contractor is Prince Construction. Construction is complete and

URS is integrating ITS components added to the existing system.

Completion Date: Complete

Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Phase IV Manatee County (407233-6)

This ITS design project is on I-275 from south of the Sunshine Skyway Bridge to the I-75/I-275 Apex in Manatee County. This project will provide a new system of devices that will include installing CCTV cameras, arterial DMS using wireless connections, MVDS, and HAR system. The project designer was Metric Engineering. The construction contractor is Highway Safety Devices, Inc. Integration complete; system testing in progress. No system burn-in for this project.

Completion Date: March 2014

Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Phase II Hillsborough County (258398-3/5)

This project is on I-275 from SR 60 (Memorial Highway) to Hillsborough River. This project will provide an updated system of devices that will include installing CCTV cameras, HAR system, MVDS, DMS, and arterial DMS with fiber optic backbone support. The construction contractor is Skanska / PB World DB team.

Anticipated Completion Date: June 2015

Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Pasco County (258736-1)

This project is on I-75 from north of SR/CR 54 to north of SR 52. This ITS project will provide an updated system of devices that will include installing CCTV cameras, HAR system, MVDS, DMS, and arterial DMS with fiber optic backbone support. The construction contract is due to let approximately November 2013 and was awarded to the DB Team of Granite/Atkins.

Anticipated Completion Date: December 2015

Contact: Greg Reynolds (813) 615-8612



FDOT ITS Program District Progress Reports



April 2014

Tampa Bay SunGuide Freeway Management System, Hernando County (411014-2)

This project is on I-75 from north of SR 52 to the Pasco/Hernando County line. This ITS project will provide an updated system of devices that will include installing CCTV cameras, HAR system, MVDS, DMS, and arterial DMS with fiber optic backbone support. The RFP document is currently in development.

Anticipated Completion Date: December 2016

Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Hernando County (411011-3)

This project is on I-75 from the Pasco/Hernando County line to south of US98/SR50/Cortez. This ITS project will provide an updated system of devices that will include installing CCTV cameras, HAR system, MVDS, DMS, and arterial DMS with fiber optic backbone support. The RFP document is currently in development by HDR.

Contract Let Date: January 2014

Anticipated Completion Date: December 2016

Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Hernando County (411011-4)

This project is on I-75 from south of US98/SR50/Cortez to north of US98/SR50/Cortez. Note: Construction will be completed with project 411011-3. This ITS project will provide an updated system of devices that will include installing CCTV cameras, HAR system, MVDS, DMS, and arterial DMS with fiber optic backbone support.

Contract Let Date: October 2014

Anticipated Completion Date: December 2016

Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Hernando County (411012-2)

This project is on I-75 from north of US98/SR50/Cortez to the Hernando/Sumter County line. This ITS project will provide an

updated system of devices that will include installing CCTV cameras, HAR system, MVDS, DMS, and arterial DMS with fiber optic backbone support.

Anticipated Completion Date: December 2016

Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System Phase IV, Pasco County (410909-4)

This project is on I-75 from SR 56 to SR 54. This ITS project will provide an updated system of devices that will include installing DMS/arterial DMS, CCTV cameras, HAR system, road weather information system, and MVDS, with fiber optic backbone support. The construction contract let approximately November 2013 and was awarded to the DB team of Cumby and Fair / Highway Safety Devices.

Anticipated Completion Date: November 2014

Contact: Greg Reynolds (813) 615-8612

Tampa Bay SunGuide Freeway Management System Hybrid Project, Hillsborough County (410909-6)

This project is on I-75 from the Hillsborough/Manatee County line to Bloomingdale/Progress Boulevard. This ITS project will be part wireline/part wireless that will facilitate cameras at the interchanges of Gibsonton Drive, Big Bend Road, College Avenue, and Moccasin Wallow Road. The construction contract let approximately November 2013 and was awarded to Highway Safety Devices.

Anticipated Completion Date: August 2014

Contact: Greg Reynolds (813) 615-8612

Incident Management

Road Rangers Service Patrol (408206-1-8B-01)

The Road Rangers service patrol was initially established in October 2000 to provide "free" highway assistance to motorists and assist in clearing freeway incidents. Since that time, the mission evolved to "incident response." Road



FDOT ITS Program District Progress Reports



April 2014

Rangers still assist motorists, but only as a secondary function. District Seven service patrols cover Hernando (partial), Hillsborough, Pasco, and Pinellas Counties, operate 24/7/365, and average more than 6,000 incidents per month. In addition, District Seven manages the Road Rangers service patrol on I-4 in Polk County and on the Sunshine Skyway Bridge corridor. An additional tow truck is assigned to current construction areas and as of January 2014, Road Ranger coverage has been added to the newly opened I-4/Selmon Expressway Connector corridor. Road Rangers' primary duties are to respond to incidents of all types, provide traffic control and assist law enforcement and other first responder personnel in the quick clearance of traffic incidents/accidents to restore safe, smooth and efficient operation of our roadway system, remove disabled vehicles from the roadway and clear hazardous debris. Road Rangers also provide essential assistance during storm events and other emergencies.

Contact: Romona Burke (813) 615-8613

Rapid Incident Scene Clearance (424209-1-82-01)

As an aid to the State of Florida's Open Roads Policy, which provides quick clearance for safety and mobility, Florida's Rapid Incident Scene Clearance (RISC) initiative is an innovative program offering cash incentives to towing and recovery companies that quickly and adequately respond to qualified incidents on Florida's interstate highways. District Seven began the RISC program in January 2009. Currently, there are two contractors in operation in the District. Since inception, there have been 119 RISC-qualified incidents, 117 of which have been cleared within the 90-minute period. The District continues to solicit additional interested companies for this program and to work closely with the Florida Highway Patrol and other agencies to improve RISC response.

Contact: Terry Hensley (813) 615-8611

Florida's Turnpike Enterprise

Advanced Traffic Management Systems

Homestead Extension of Florida's Turnpike (HEFT) Reconstruction (423372-2, 415488-1, 406096-1, 415051-1, 427146-1, 415051-4)

This project includes installation of express lanes and multiple roadway widening sections broken into six separate projects – five design/build projects and one design/bid/build project. The project limits are from SW 288th Street to SR 836 and include a complete reconstruction of the intelligent transportation systems (ITS) facilities throughout the project. The new system will include fiber optic cable, closed-circuit television (CCTV) cameras, dynamic message signs (DMS), and vehicle detection devices. The existing system will be maintained throughout construction until the new devices can be brought on-line. Additional ITS devices, including detectors, DMSs, and CCTV cameras, will be used to monitor and verify traffic conditions on new express lanes that are being constructed within the corridor. All of the projects begin construction activities during fiscal year (FY) 2014 and FY 2015.

Approx. Completion: 423372-2 (April 2018); 415488-1 (April 2016); 406096-1 (July 2017); 415051-1 (March 2018); 427146-1 (September 2017); 415051-4 (November 2018)

Contact: John Easterling (954) 934-1620

Veterans Expressway Reconstruction (406151-1-52-01, 406152-1-52-01, 431275-1-52-01)

This project includes installation of express lanes and three roadway widening sections broken into three separate design/bid/build projects. The project limits are from Memorial Highway to south of Gunn Highway and include a complete reconstruction of the ITS facilities through the project. The new system will include fiber optic cable, CCTV cameras, DMSs, and vehicle detection devices. The existing system will be maintained through construction



FDOT ITS Program District Progress Reports



April 2014

until the new devices can be brought on-line. Additional ITS devices, including detectors, DMSs, and CCTV cameras, will be used to monitor and verify traffic conditions within new express lanes that are being constructed within the corridor. All three contracts began construction activities during the months of April and May 2013.

Approx. Completion: 406151-1 (Feb 2016); 406152-1 (January 2016); 431275-1 (March 2016)

Contact: John Easterling (954) 934-1620

Freeway Management Systems

Traffic Management Centers (190717-1-52-03/04/05/08)

The Florida's Turnpike Pompano and Turkey Lake Transportation Management Centers (TMC) provide 24-hours a day, 7-days a week staffing coverage. Incident management is accomplished utilizing 555 CCTV cameras; 15 highway advisory radio stations; 15 Citizen Band Radio Alert System stations; 58 DMSs along the Turnpike's Mainline and connecting arterials; 21 DMSs on the Sawgrass Expressway and its connecting arterials; seven DMSs on SR 417 (Seminole Expressway and Southern Connector Extension); two DMSs on SR 429 (Western Beltway); three DMSs on the Beachline Expressway (SR 528); four DMSs on SR 570 (Polk Parkway); and six DMSs on SR 589 (Veterans Expressway/Suncoast Parkway). TMC team members work closely with Florida Highway Patrol (FHP) Troop K and other agencies to detect, verify, and mitigate incidents. TMC team members, under the supervision of advanced traveler information system team leaders at each facility, coordinate the State Farm Safety Patrol/Road Ranger operators by dispatching them on the Turnpike Mainline, HEFT, Sawgrass Expressway (Toll 869), and Veterans Expressway (Toll 589) through the 800 MHz Statewide Law Enforcement Radio System (SLERS), an automatic vehicle locator (AVL) system and

direct-connect communications. Florida's Turnpike Enterprise (FTE) is also an integral part of the Florida 511 Statewide Traveler Information System. The TMC, in its role as the 24-hour communications hub for the Turnpike, performs essential duties to support FTE Rapid Incident Scene Clearance (RISC) and Specialty Towing and Roadside Repair programs (STARR). Approx. Completion: Operations Ongoing
Contact: John Easterling (954) 934-1620 and Jim Hilbert (407) 264-3312

Traffic Management FHP Lake Worth Dispatch Center Operations

FTE TMC has committed staffing at the FHP Troop K, Lake Worth Dispatch Center, with two-plus full-time FHP dispatch TMC team positions, thus improving service to Turnpike customers. The FHP dispatch center is staffed by TMC team members over two shifts: from 6:00 a.m. to 2:30 p.m. and 2:00 p.m. to 10:30 p.m., seven days a week. Our FHP Dispatch TMC Team members work in conjunction with the Turnpike TMC and facilitate sharing of incident status information between FHP and the TMC. The TMC staff members work closely with FHP dispatch in tracking performance measures of the STARR program. The coordination between FHP dispatch command, TMC team members, and FHP dispatchers and troopers enables the TMC to assume a more proactive role in incident management along its roadways in terms of emergency verification and response, dissemination of traveler information, and other agency notifications. This accurate and timely exchange of information has resulted in the enhanced operation of the Turnpike's ITS devices and more efficient resource sharing. The Turnpike TMC has two assigned console positions responsible for managing FHP's video wall control.

Approx. Completion: On-going

Contact: John Easterling (954) 934-1620 and Jim Hilbert (407) 264-3312



FDOT ITS Program District Progress Reports



April 2014

Southern Turnpike ITS Maintenance Contract (413351 3 72 01)

This project provides funding for the maintenance costs for the Turnpike ITS field device systems for the Homestead Extension of Florida's Turnpike Milepost (MP) 0.0 to 47.0; Florida's Turnpike MP 0.0X to 193.0, and the Sawgrass Expressway MP 0.0 to 22.5, including ramps, feeder roads, connector roads, and Turnpike system interchanges. The work specified in the contract consists of providing labor, materials, equipment, and incidentals necessary to perform routine/periodic repairs, replacements, and preventive maintenance of the ITS, with maintenance services commencing on March 1, 2013. Recently, this contract was renewed and the second year began on March 1, 2014.

Approx. Completion: Year 2 (Feb 2015)

Contact: Eric Gordin (407) 264-3316

Northern Turnpike ITS Maintenance Contract (413351 2 72 01)

This project provides funding for the maintenance costs for the Turnpike ITS field device systems for Florida's Turnpike Milepost (MP) 193.0 to 309; SR-408 East-West Expressway MP 0 to 1; SR 417 Seminole Expressway MP 38 to 55; SR 528 Beachline Expressway MP 0 to 8; SR 429 Western Beltway MP 0 to 11; SR 417 Southern Connector Extension MP 0 to 6; SR 570 Polk Parkway; SR 589 Veterans Expressway; SR 589 Suncoast Parkway; and SR 568 Veterans Expressway Spur including ramps, feeder roads, connector roads, and Turnpike system interchanges. The work specified in the contract consists of providing labor, materials, equipment, and incidentals necessary to perform routine/periodic repairs, replacements, and preventive maintenance of the ITS, with maintenance services commencing on March 1, 2013. Recently, this contract was renewed and the second year began on March 1, 2014.

Approx. Completion: Year 2 (Feb 2015)

Contact: Eric Gordin (407) 264-3316

Incident Management

Turnpike Enterprise State Farm Safety Patrol (part of FDOT Road Ranger Program) (411451-1-78-02)

FTE's TMC dispatches State Farm Safety Patrol on the Turnpike Mainline, Homestead Extension of Florida's Turnpike, and the Sawgrass Expressway (Toll 869). Safety Patrol Road Rangers are also dispatched on the Seminole Expressway/Southern Connector Extension (Toll 417), Beachline Expressway (Toll 528), Western Beltway (Toll 429), and the Veterans Expressway (Toll 589). State Farm Safety Patrol Road Rangers provide free service. With a monthly total of more than 6,000 patrol hours and 10,000+ calls, coverage ranges from 6 a.m. to 10 p.m., or 24/7 depending on the location along Florida's Turnpike system. Minimal 24/7 coverage is now maintained within the Miami-Dade, Broward, Palm Beach, and Orange Counties urban limits of Florida's Turnpike. The TMC dispatches units via the SLERS, 800 MHz (primary mode of communication) and Direct Connect (back-up communication) systems; the units are tracked via an AVL system that is integrated into the SunGuide® software.

A new five-year contract was awarded on February 15, 2013, to Florida Turnpike Services for coverage on the Turnpike system, with provisions for new, tighter performance measure requirements. The new contract also provides an improved service truck mix with two incident response trucks, five wrecker-type trucks, and five pick-up trucks serving the needs of Turnpike customers. The new truck mix was completed in October 2013.

Completion: On-going

Contact: Jim Hilbert (407) 264-3312

Specialty Turnpike Towing and Roadside Repair

In June 2009, FTE implemented an innovative program to address its customers' towing and



FDOT ITS Program District Progress Reports



April 2014

repair needs. Previously, the eight service plazas along the Turnpike handled all towing and vehicle repairs. Under this unique program, the Turnpike is segregated into ten coverage sectors, designated by mile posts with towing and roadside repair contracts awarded to seven area contractors. The STARR contract is a cost-neutral contract for FTE, and requires the tow contractors to respond to FHP-dispatched calls within 30 minutes or less in urban areas, and within 40 minutes in rural areas. These contracts are performance-based, requiring adherence to response times as noted in the contracts and provision of a high level of customer service and safety. Performance is measured and communicated to the contractors on a weekly basis, and each contractor is expected to meet their performance standards. Changes to the contract can be made according to contractors' ability to meet these standards. The last of three one-year renewals of the original contracts were awarded in June 2012. During the four-year period of the original contract and its renewals, the STARR Program operated at a 88 percent on-time success rate with a 19 minute, 47 second response time over 29 thousand plus events.

New contracts for the ten sectors along the Turnpike Mainline were advertised for a June 15, 2013, implementation using the RFP process. Contracts for six of the ten sectors were awarded on June 15, 2013. Awards for the remaining four sectors are completed by October 1, 2013.

Completion: On-going

Contact: Jim Hilbert (407) 264-3312

Rapid Incident Scene Clearance

The innovative RISC heavy-duty towing and recovery program was developed and implemented in 2004 to reduce the impact of major traffic incidents on Florida's Turnpike and to help meet Florida's Open Roads Policy goal to clear the roadway in 90 minutes or less. The RISC program is a major component of the Traffic Incident Management Enhancements program. RISC is an incentive-based program that pays qualified participating tow companies monetary bonuses for meeting quick clearance goals. In order to participate in the program, towing and recovery companies must meet equipment and training standards developed to ensure the safe and efficient clearance of major incidents. Recovery contractors are required to respond within 60 minutes to an incident and open the travel lanes within 90 minutes. If the travel lanes are not open within 150 minutes, the contractor may be assessed liquidated damages. The TMC serves as the official timekeeper of RISC milestones, the primary contact for FHP, and the hub of traffic/incident management communications. Since the program's inception, there have been 639 activations and the program is operating at a 94 percent success rate in incidents where the vendor made its contractual arrival time and was used to clear the incident.

Completion: On-going

Contact: John Easterling (954) 934-1620 or Mike Washburn (954) 934-1621